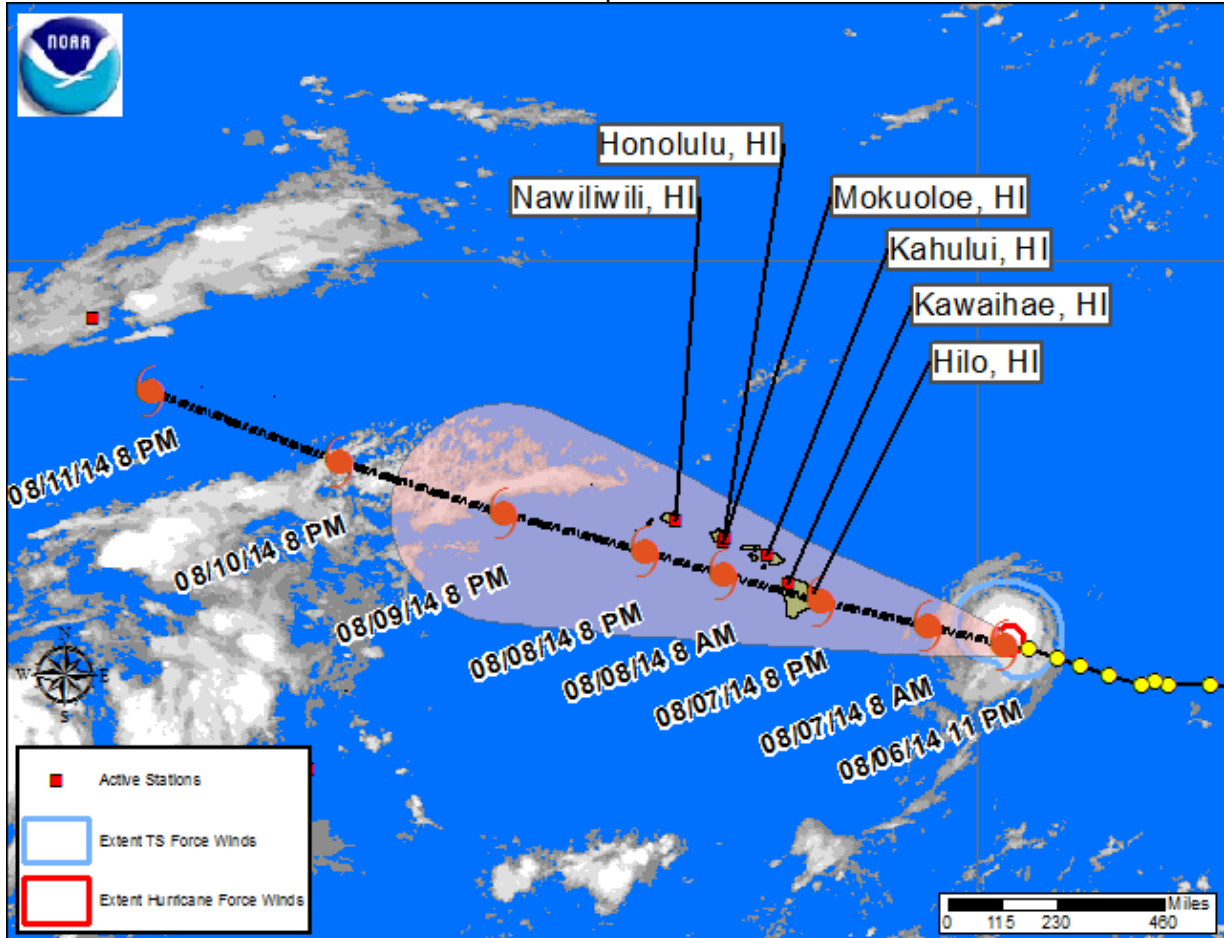




Hurricane ISELLE QuickLook
Posted: 00:00 HST 08/07/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/07/2014 00:00 HST, water levels across the Hawaiian Islands are at or near normal tide levels.

Winds are steady, with gusts between 10 and 25 knots over the past 6 hours. Barometric pressure continues to follow the normal diurnal cycle.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: TKM

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISELLE ADVISORY NUMBER 29
1100 PM HST WED AUG 06 2014

...ISELLE STILL HEADING FOR THE BIG ISLAND...MAINTAINING HURRICANE
INTENSITY...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

NONE.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* HAWAII COUNTY

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI...
AND KAHOO LAWE.

* OAHU

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND
PROPERTY SHOULD BE RUSHED TO

COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE
SOMEWHERE WITHIN THE WATCH AREA WITHIN THE NEXT 48 HOURS.

INTERESTS IN THE NORTHWEST HAWAIIAN ISLANDS SHOULD MONITOR THE PROGRESS OF
ISELLE.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED
BY THE NATIONAL WEATHER SERVICE OFFICE IN HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1100 PM HST...0900 UTC...THE CENTER OF HURRICANE ISELLE WAS LOCATED NEAR LATITUDE 18.1 NORTH...LONGITUDE 149.1 WEST. ISELLE IS MOVING TOWARD THE WEST-NORTHWEST NEAR

18 MPH...30 KM/H...AND THIS MOTION IS EXPECTED TO CONTINUE THROUGH THURSDAY...WITH SOME SLOWING IN FORWARD SPEED ON FRIDAY. ON THE FORECAST TRACK...THE CENTER OF

ISELLE IS EXPECTED TO PASS VERY NEAR OR OVER THE BIG ISLAND THURSDAY NIGHT...AND PASS JUST SOUTH OF THE SMALLER ISLANDS FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 90 MPH...150 KM/H...WITH HIGHER GUSTS. SOME WEAKENING IS FORECAST DURING THE NEXT 48 HOURS...BUT ISELLE IS NOW EXPECTED TO BE A

HURRICANE AS IT PASSES NEAR OR OVER THE BIG ISLAND.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 45 MILES...75 KM...FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES...220 KM.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 982 MB...29.00 INCHES.

HAZARDS AFFECTING LAND

WIND...THE ONSET OF TROPICAL STORM CONDITIONS IS EXPECTED ON THE BIG ISLAND OF HAWAII THURSDAY AFTERNOON...WITH HURRICANE CONDITIONS EXPECTED THURSDAY NIGHT. TROPICAL

STORM CONDITIONS ARE EXPECTED OVER MAUI COUNTY THURSDAY NIGHT...AND FOR OAHU LATE THURSDAY NIGHT AND FRIDAY. TROPICAL STORM CONDITIONS ARE POSSIBLE FOR KAUAI COUNTY ON

FRIDAY.

SURF...SWELLS GENERATED BY ISELLE WILL CONTINUE TO BUILD ALONG EAST FACING SHORES AND VERY LARGE...DAMAGING SURF IS EXPECTED ALONG MAINLY EAST AND SOUTHEAST FACING

SHORES STARTING EARLY THURSDAY.

RAINFALL...RAINFALL TOTALS OF 5 TO 8 INCHES...WITH ISOLATED MAXIMUM AMOUNTS TO 12 INCHES...ARE EXPECTED ALONG THE TRACK OF ISELLE. THESE RAINS COULD CAUSE LIFE-

THREATENING FLASH FLOODS AS WELL AS ROCK AND MUD SLIDES.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD

REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

BIG ISLAND WINDWARD AND KAU...1 TO 3 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. THE SURGE WILL BE ACCOMPANIED BY LARGE AND DAMAGING WAVES. SURGE RELATED FLOODING

DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES.

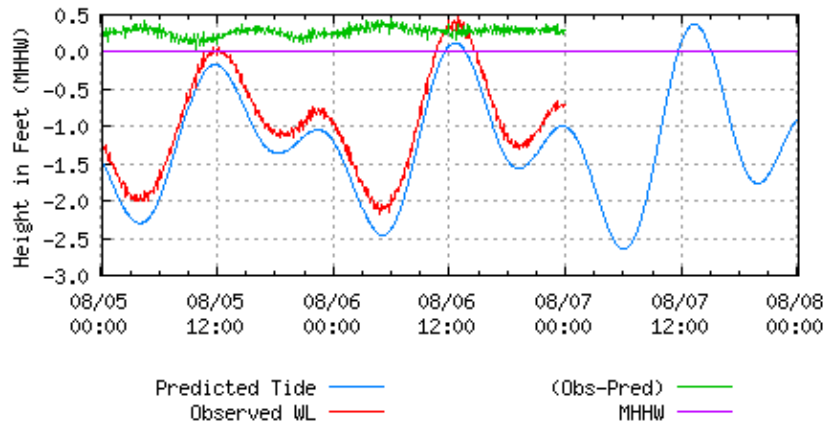
FORECASTER BIRCHARD

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#)

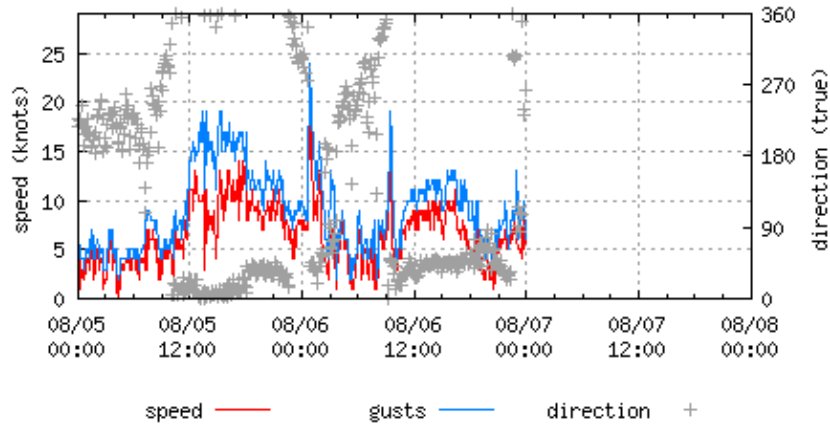
Hurricane ISELLE QuickLook, POSTED 00:00 HST 08/07/2014

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



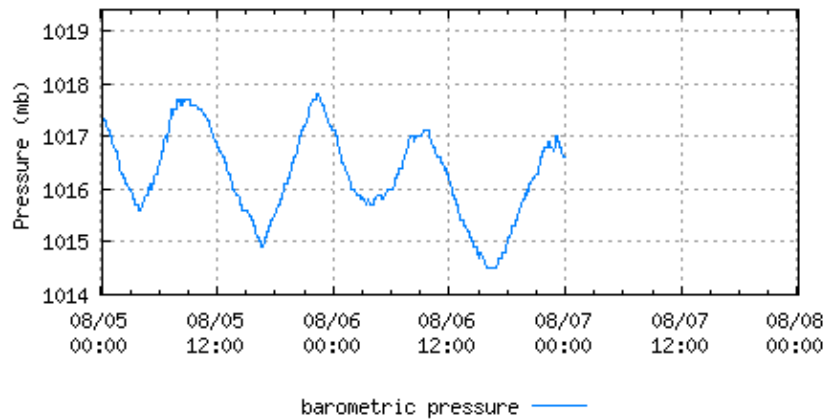
Last Observed Sample: 08/06/2014 23:54 (HST). Data relative to MHHW
Observed: -0.70 ft. Predicted: -1.00 ft. Residual: 0.30 ft.
Historical Maximum Water Level: Jan 20 1981, 1.37 ft.
Next High Tide: 08/07/2014 13:21 (HST), 0.38 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 08/06/2014 23:54 (HST)
Wind Speed: 6 knots Gusts: 6 knots Direction: 264° T

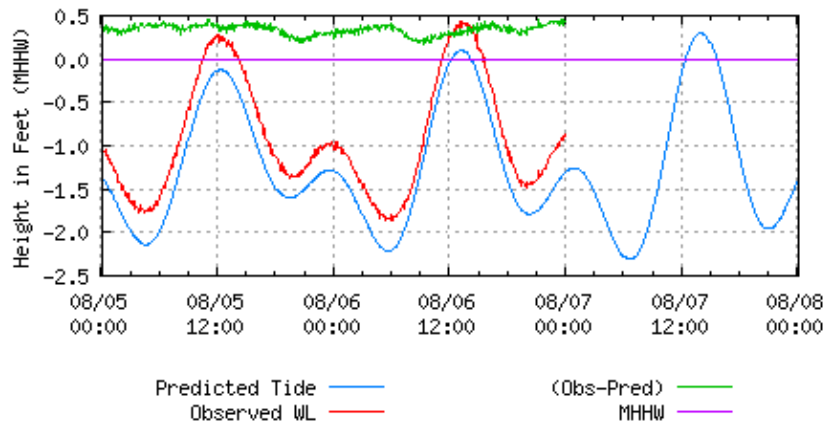
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Barometric Pressure



Last Observed Sample: 08/06/2014 23:54 (HST)

Barometric Pressure: 1016.6 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/07/2014 00:00 (HST). Data relative to MHHW

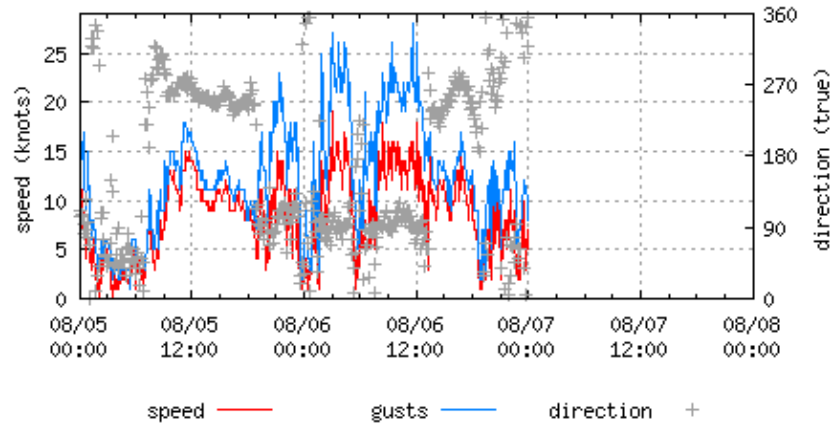
Observed: -0.87 ft. Predicted: -1.30 ft. Residual: 0.43 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 08/07/2014 00:54 (HST), -1.26 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

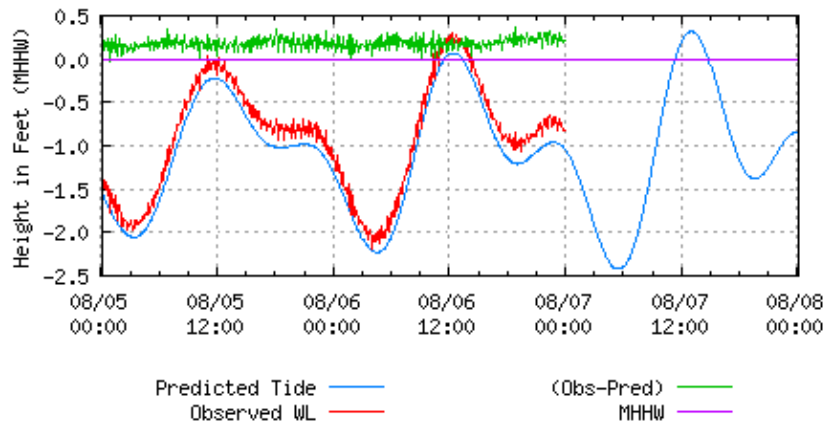


Last Observed Sample: 08/07/2014 00:00 (HST)

Wind Speed: 6 knots Gusts: 8 knots Direction: 318° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/06/2014 23:54 (HST). Data relative to MHHW

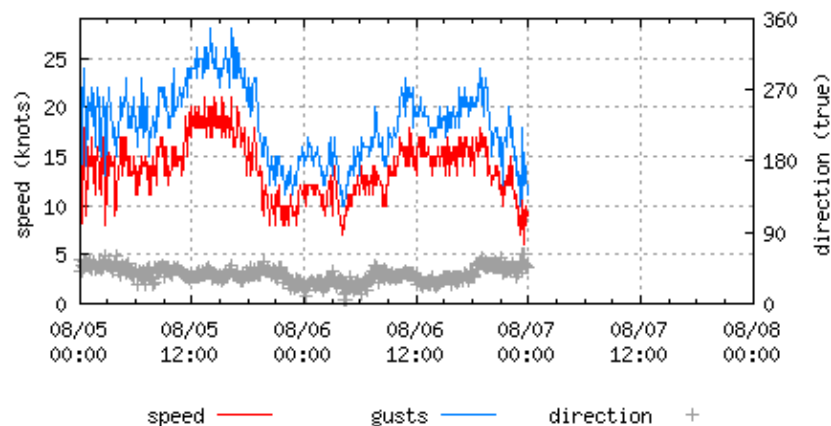
Observed: -0.83 ft. Predicted: -1.04 ft. Residual: 0.21 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 08/07/2014 13:02 (HST), 0.32 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction

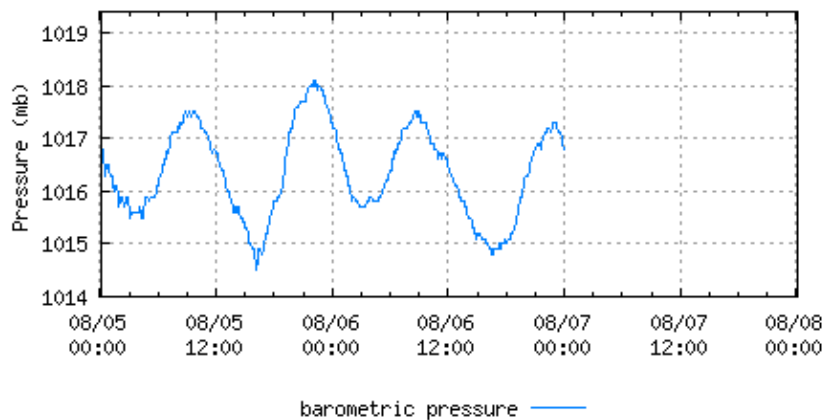


Last Observed Sample: 08/06/2014 23:54 (HST)

Wind Speed: 9 knots Gusts: 11 knots Direction: 45° T

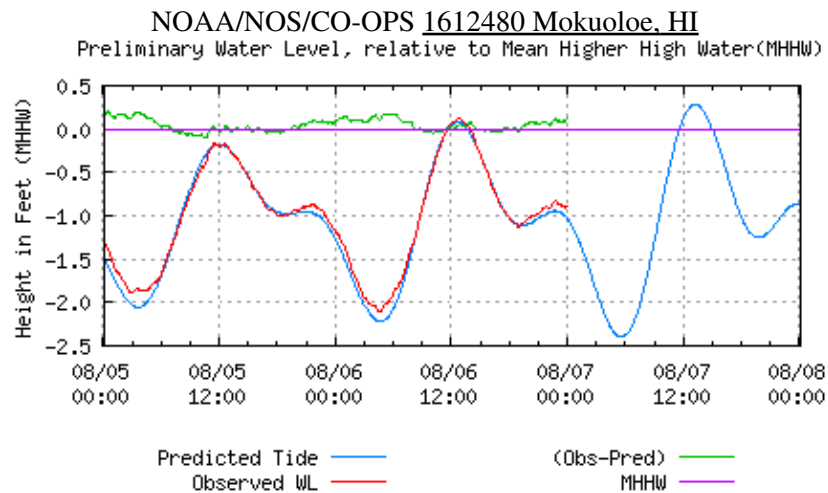
NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Barometric Pressure



Last Observed Sample: 08/06/2014 23:54 (HST)

Barometric Pressure: 1016.8 mb

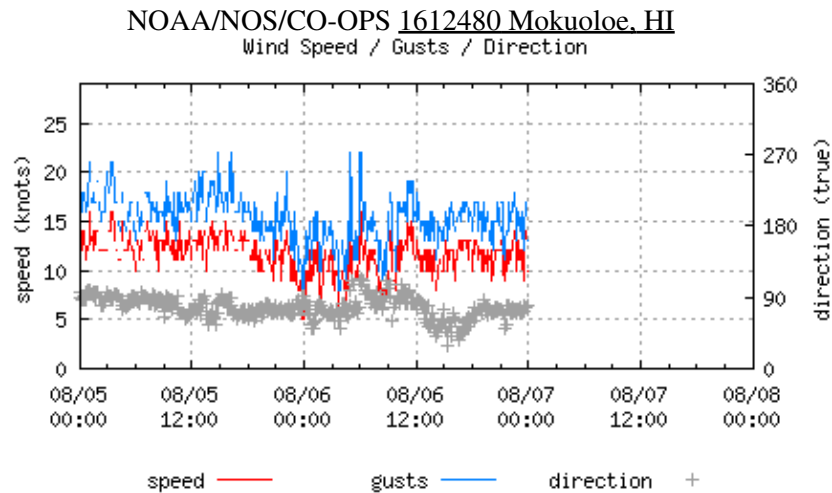


Last Observed Sample: 08/06/2014 23:54 (HST). Data relative to MHHW

Observed: -0.90 ft. Predicted: -1.02 ft. Residual: 0.12 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

Next High Tide: 08/07/2014 13:14 (HST), 0.28 ft.

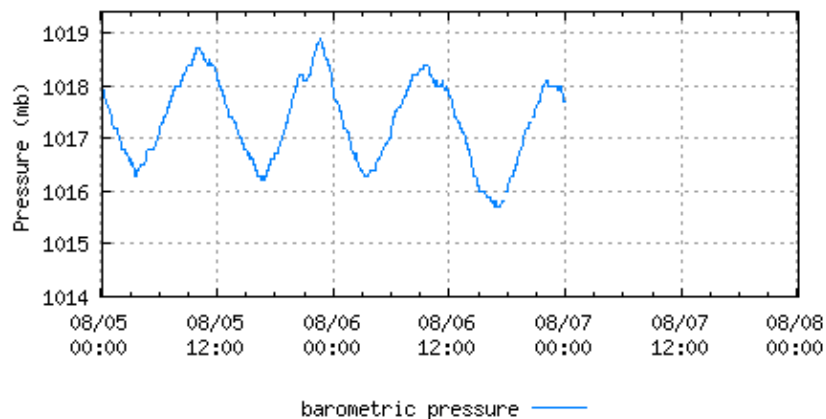


Last Observed Sample: 08/06/2014 23:54 (HST)

Wind Speed: 10 knots Gusts: 13 knots Direction: 80° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Barometric Pressure

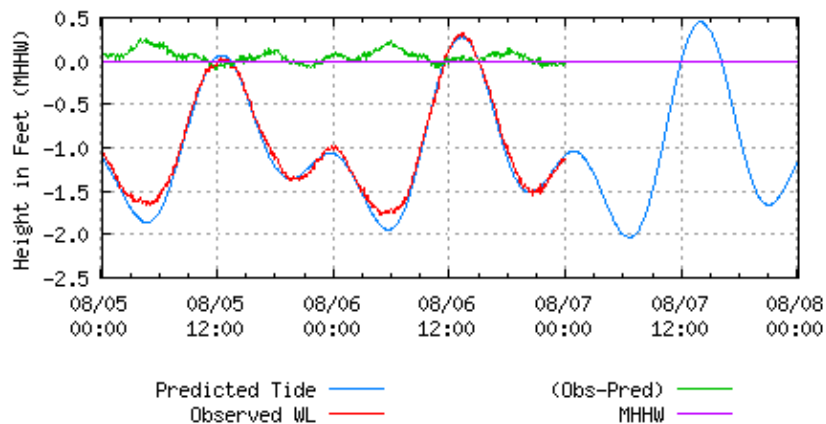


Last Observed Sample: 08/06/2014 23:54 (HST)

Barometric Pressure: 1017.7 mb

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Last Observed Sample: 08/06/2014 23:54 (HST). Data relative to MHHW

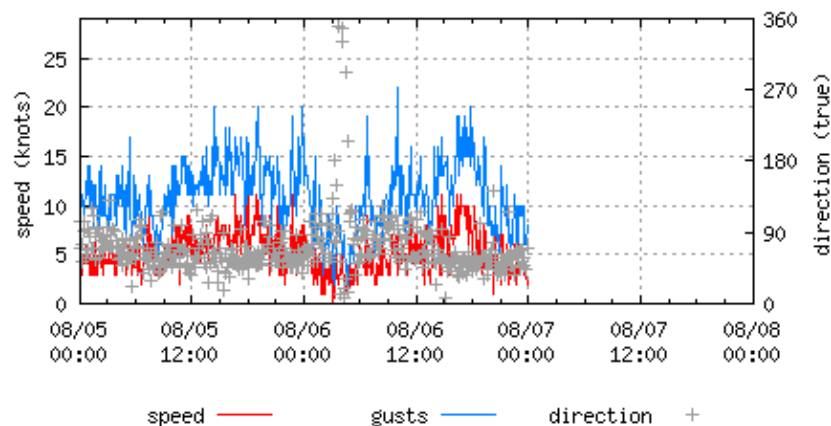
Observed: -1.12 ft. Predicted: -1.09 ft. Residual: -0.03 ft.

Historical Maximum Water Level: Feb 14 1967, 1.49 ft.

Next High Tide: 08/07/2014 00:51 (HST), -1.04 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

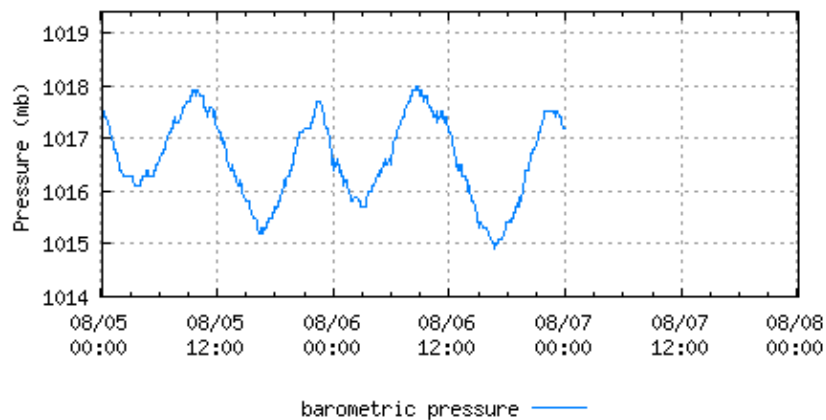


Last Observed Sample: 08/06/2014 23:54 (HST)

Wind Speed: 2 knots Gusts: 8 knots Direction: 71° T

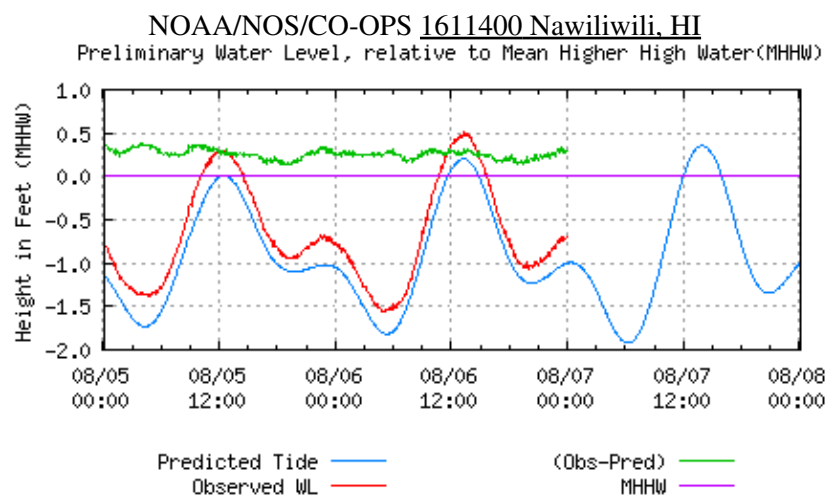
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure



Last Observed Sample: 08/06/2014 23:54 (HST)

Barometric Pressure: 1017.2 mb



Last Observed Sample: 08/07/2014 00:00 (HST). Data relative to MHHW

Observed: -0.70 ft. Predicted: -1.00 ft. Residual: 0.30 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/07/2014 00:21 (HST), -0.99 ft.

Hurricane ISELLE QuickLook, POSTED 00:00 HST 08/07/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/06/2014 23:54 (HST)	-0.70 ft	-1.00 ft	0.30 ft	0.49 ft
1617433	Kawaihae, HI	08/07/2014 00:00 (HST)	-0.87 ft	-1.30 ft	0.43 ft	0.44 ft
1615680	Kahului, Kahului Harbor, HI	08/06/2014 23:54 (HST)	-0.83 ft	-1.04 ft	0.21 ft	0.31 ft
1612480	Mokuoloe, HI	08/06/2014 23:54 (HST)	-0.90 ft	-1.02 ft	0.12 ft	0.13 ft
1612340	Honolulu, HI	08/06/2014 23:54 (HST)	-1.12 ft	-1.09 ft	-0.03 ft	0.33 ft
1611400	Nawiliwili, HI	08/07/2014 00:00 (HST)	-0.70 ft	-1.00 ft	0.30 ft	0.52 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce